

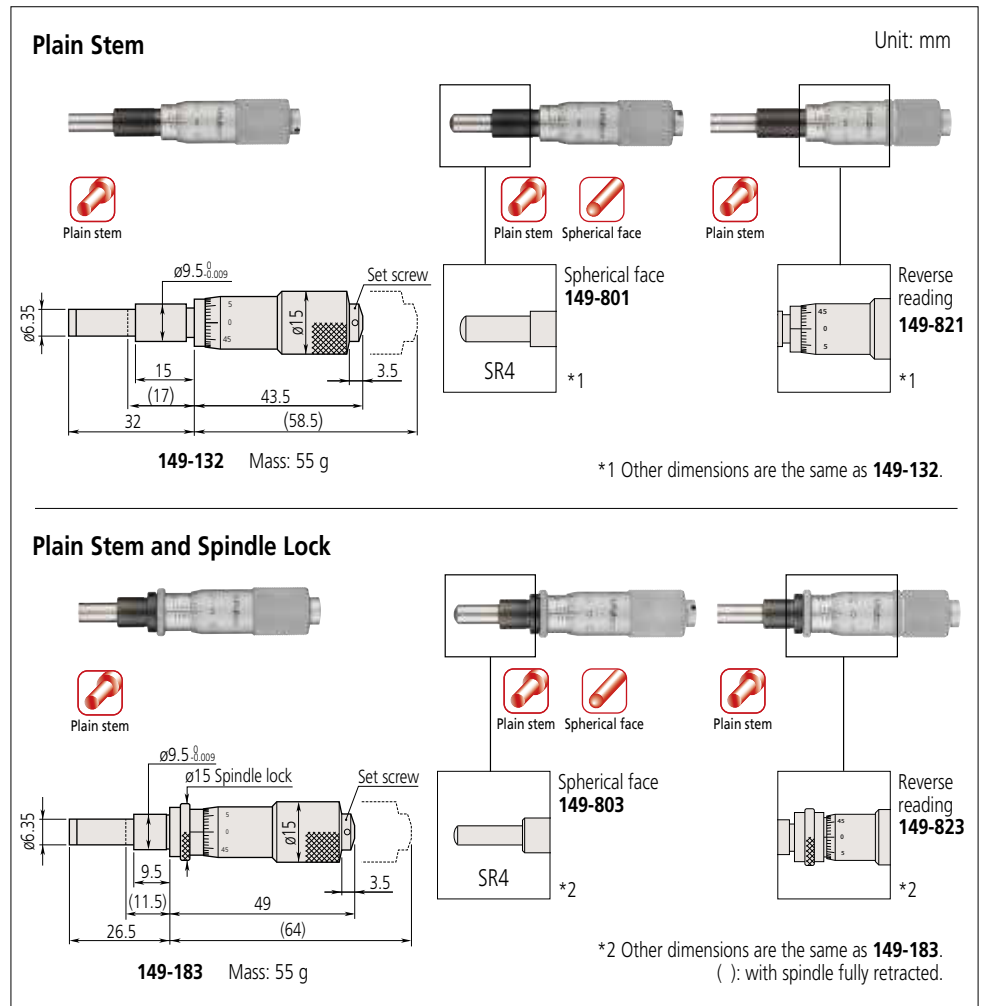
### Technical Data

- Graduation: 0.01 mm or 0.001 in
- Spindle pitch: 0.5 mm or 0.025 in
- Measuring face  
Material: Carbide  
Hardness: 90 HRA or more  
Lapped
- Scale finishing:  
Satin-chrome plated

## Micrometer Heads SERIES 149 — Small Standard Type with Carbide-Tipped Spindle

- Carbide-tipped spindle provides high abrasion resistance.

### DIMENSIONS



### SPECIFICATIONS

Metric						
Order No.	Stroke (mm)	Accuracy (μm)	Stem dia. (mm)	Stem	Spindle end	Graduation features
149-132	15	±2	9.5	Plain	Flat (carbide tip)	Standard
149-131				W/clamp nut		
149-183				Plain*1		
149-184				W/clamp nut*1	Spherical (SR4) (carbide tip)	
149-801				Plain		
149-802				W/clamp nut		
149-821				Plain	Flat (carbide tip)	Reverse reading
149-822				W/clamp nut	Spherical (SR4) (carbide tip)	Standard
149-803*2				Plain*1		
149-804*2				W/clamp nut*1		
149-823*2				Plain*1	Flat (carbide tip)	Reverse reading
149-824*2				W/clamp nut*1		

\*1 With spindle lock \*2 Made-to-order models

Inch						
Order No.	Stroke (in)	Accuracy (in)	Stem dia. (in)	Stem	Spindle end	Graduation features
149-148	0.5	±0.0001	0.375	Plain	Flat (carbide tip)	Standard
149-147				W/clamp nut		
149-185*3				Plain*1		
149-182				W/clamp nut*1	Spherical (SR4) (carbide tip)	
149-811				Plain		
149-812				W/clamp nut		
149-831*2				Plain	Flat (carbide tip)	Reverse reading
149-832*2				W/clamp nut		
149-181*2				Plain*1		

\*1 With spindle lock \*2 Made-to-order models \*3 W/ratchet (149-181) is available

# Micrometer Head

The origin of Mitutoyo's trustworthy brand of small tool instruments

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